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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/667,255	09/19/2003	Michael A. Niemiro	920047-94540	1143	
23644	7590 02/07/2005		EXAMINER		
BARNES & THORNBURG			DEVORE, PETER T		
P.O. BOX 278	-	ART UNIT	PAPER NUMBER		
CHICAGO, I	L 60690-2786		3751		

DATE MAILED: 02/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applica	ation No.	Applicant(s)				
Office Action Summary		10/667		NIERNIRO ET AL.	ED			
		Examir		Art Unit				
		Peter T	deVore	3751				
	The MAILING DATE of this communi				ss			
Period fo			TO EVOIDE - NO	NITH (0) 550M				
THE - Exterent after - If the - If NC - Failur Any I	ORTENED STATUTORY PERIOD FOMAILING DATE OF THIS COMMUNI- maions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this common period for reply specified above is less than thirty (30) period for reply is specified above, the maximum stare to reply within the set or extended period for reply reply received by the Office later than three months are departed term adjustment. See 37 CFR 1.704(b).	CATION. of 37 CFR 1.136(a). In no unication. or days, a reply within the s tutory period will apply and will, by statute, cause the a	event, however, may a rep statutory minimum of thirty d will expire SIX (6) MONT application to become ABA	oly be timely filed (30) days will be considered timely. HS from the mailing date of this comm NDONED (35 U.S.C. § 133).	nunication.			
Status								
1)🖂	Responsive to communication(s) file	d on 18 January 2	005.					
· ·	This action is FINAL . 2b)⊠ This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
5)□ 6)⊠ 7)⊠	4) ⊠ Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) 5 is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1 is/are rejected. 7) ⊠ Claim(s) 2-4 and 6-10 is/are objected to. 8) □ Claim(s) are subject to restriction and/or election requirement.							
Applicat	ion Papers							
9)	The specification is objected to by the	e Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11)□	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority (ınder 35 U.S.C. § 119							
a)l	Acknowledgment is made of a claim and all b) Some * c) None of: 1. Certified copies of the priority 2. Certified copies of the priority 3. Copies of the certified copies of application from the Internation See the attached detailed Office actions	documents have b documents have b of the priority docu nal Bureau (PCT F	een received. een received in Ap ments have been r Rule 17.2(a)).	oplication No received in this National St	age			
Attachmen	t(s) te of References Cited (PTO-892)		4) Interview Su	ummary (PTO-413)				
2) Notice 3) Infor	te of Draftsperson's Patent Drawing Review (Pmation Disclosure Statement(s) (PTO-1449 or er No(s)/Mail Date 9/23/04.		Paper No(s)	/Mail Date formal Patent Application (PTO-1	52)			

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DETAILED ACTION

Drawings

The drawing objection is withdrawn as the plunger valve is shown in the drawings (and described in the specification) of related provisional application 60/412,509.

However, should the present application be allowed including a claim or claims directed to the plunger valve, the Applicant will be required to amend the drawings (and the specification as necessary) to bodily incorporate the plunger valve as disclosed and shown in the provisional application.

Election/Restrictions

Applicant's election with traverse of Species 1, claims 1-4 and 6-10 in the reply filed on 1/18/05 is acknowledged. The traversal is on the ground(s) that bistable valves of both the lever and plunger type are known. This is not found persuasive because specific features of at least the lever valve are specifically claimed in Applicant's dependent claims, and also the two type of valves have widely varying configurations, actuators, and uses in the prior art.

The requirement is still deemed proper and is therefore made FINAL. Claim 5 is thus withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected species, there being no allowable generic or linking claim.

Claim Rejections - 35 USC § 102

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United

States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Loe.

The Loe reference discloses a system comprising a signal controller which coverts a unipolar signal to a bipolar signal (see col. 4, lines 1-6), and a magnetically actuated valve controlled by the controller (see col. 1, lines 13-19).

Allowable Subject Matter

Claims 2-4 and 6-10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Abe reference discloses an apparatus for converting a unipolar signal to a bipolar signal.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter T deVore whose telephone number is (571) 272-4884. The examiner can normally be reached on Monday to Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Justine Yu can be reached on (571) 272-4835. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Pd /

PM JMV